570 Series
Precision Infrared Thermometers

FLUKE

Fluke 576

Measure temperature with ease and precision

The Fluke 570 series are the most advanced IR non-contact thermometers, and are ideal for predictive and preventative maintenance applications. Offering a broad temperature range and a true dimension laser sighting system for precise targeting resulting in more accurate measurements. When requiring analysis and documentation use the 100-point data logging and software for graphing and analysis. The top-of-the-range Fluke 576 even has a built-in digital camera that photographs the location when the temperature measurement is made. From close-up electrical connections, to far-distance room balancing checks, the Fluke 570 series can take IR temperature measurements with ease and precision.

- Enhanced optics allows measurements of smaller objects from farther away
- True Dimension™ three-dot laser sighting system highlights the true diameter of measurement spots at all distances
- Adjustable emissivity setting and 30 pre-set common material values for more accurate measurements
- 100 data point memory for storage of measurements (Fluke 574, 576) and photographic images (Fluke 576)
- Instantly captures photographs of temperature measurement locations for improved documentation (Fluke 576 only)

Fluke 572 Fluke 574

Features

	572	574	576
Temperature range		-30 to 900°C	
Optical resolution		Standard: 60:1 Close focus: 50:1	
3 dot laser beam for accurate targeting	●	●	●
Adjustable emissivity	●	●	●
Bar graph display	●	●	●
Backlit LCD display	●	●	●
Use selectable °C or °F	●	●	●
Audible and visible Hi/Lo Alarm	●/-	●/●	●/●
MIN/MAX	●	●	●
AVG/DIF readings		●	●
Datalogging (number of measurements)		100	100
PC interface		RS232	USB
Built-in Digital camera			●

Specifications

	572	574	576
Temperature range		-30 to 900°C	
Response time		250ms (95 % of reading)	
Resolution		0.1°C of reading up to 900°C	
Repeatability		±0.5% of reading or ±1°C*	
Accuracy: (assumes ambient operating temperature of 23 °C to 25 °C)		±0.75% of reading, ±0.75°C *	
Typical distance to target		10,5 m	
Emissivity		Digitally adjustable from 0.10 to 1.0 by 0.01	

*whichever is greater.

Battery Life:
Fluke 572, 574: 10 hours typical
Fluke 576: 8 hours typical (13 hours with photographic mode off)

Size (HxWxD):
Fluke 572/574: 200 mm x 170 mm x 55 mm
Fluke 576: 240 mm x 170 mm x 55 mm

Weight: Fluke 572: 0.480 kg
Fluke 574: 0.480 kg
Fluke 576: 0.580 kg

Two years warranty

Included Accessories

Fluke 572: Hard case, 2 batteries
Fluke 574: Hard case, 2 batteries, Thermocouple K probe, 220V power supply, IRGraph software, RS232 cable
Fluke 576: Hard case, 2 batteries, Thermocouple K probe, DataTemp software, USB cable.

Ordering Information

Fluke 572	Precision Infrared Thermometer
Fluke 574	Precision Infrared Thermometer
Fluke 576	Precision Infrared Thermometer
Fluke 572CF	Precision Infrared Thermometer with close focus option
Fluke 574CF	Precision Infrared Thermometer with close focus option
Fluke 576CF	Precision Infrared Thermometer with close focus option

Recommended Accessories

AN5
Analog data cable

C570
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